

HTR7 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16211**Specification**

HTR7 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P34969
Other Accession	NM_019859 , NP_062873
Reactivity	Human, Mouse, Rat, Pig, Horse, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54kDa KDa

HTR7 antibody - N-terminal region - Additional Information**Gene ID** 3363**Alias Symbol** 5-HT7**Other Names**

5-hydroxytryptamine receptor 7, 5-HT-7, 5-HT7, 5-HT-X, Serotonin receptor 7, HTR7

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HTR7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HTR7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HTR7 antibody - N-terminal region - Protein Information**Name** HTR7 {ECO:0000303|Ref.3, ECO:0000312|HGNC:HGNC:5302}**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed:35714614, PubMed:8226867). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed:35714614, PubMed:8226867). HTR7 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:35714614, PubMed:8226867).

href="http://www.uniprot.org/citations/35714614" target="_blank">35714614).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

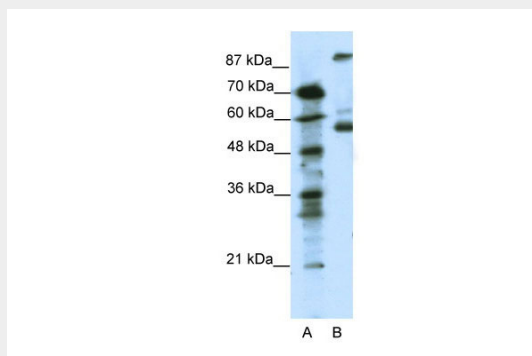
[Isoform A]: Predominant isoform in spleen, caudate and hippocampus. [Isoform D]: Minor isoform in terms of expression.

HTR7 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR7 antibody - N-terminal region - Images



WB Suggested Anti-HTR7 Antibody Titration: 0.125µg/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate

HTR7 antibody - N-terminal region - Background

This is one of the several different receptors for 5- hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase.

HTR7 antibody - N-terminal region - References

Heidmann D.E.A.,et al.J. Neurochem. 68:1372-1381(1997).

Bard J.A.,et al.J. Biol. Chem. 268:23422-23426(1993).

King M.M.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Goshima N.,et al.Nat. Methods 5:1011-1017(2008).